

In the Specification

Please amend the paragraph of the specification at page 2 lines 1-8 as follows:

In the Wireless space, the existing billing activities tend to be focused on charging for data transmission at the granularity of the PDP (Packet Data Protocol) context (i.e. the connection of the device to the network). IP services are run over this connection. Since IP (Internet Protocol) is designed to multiplex service delivery, the same PDP context may be used to use multiple services possibly concurrently. The existing billing work in OSA (Open Services Architecture) under CAMEL (Customized Applications of Mobile-Network Enhanced Logic) and IMS (Internet Protocol Multimedia Subsystem) does not allow the billing system to differentiate between different services on the same PDP context.

Please amend the paragraph of the specification at page 2 lines 20-25 as follows:

In the wireless space, access charges are high (e.g. GPRS (General Packet Radio Service) where each additional Megabyte will cost around \$5 under current pricing schemes in comparison to 10-20 cents via local call rate ISP (Internet Service Provider) dial-up access). Dial-up is also quicker and more reliable. Wireless access is also error prone and errors result in retransmissions which are also charged - thus the user pays twice (access costs and purchase price) and pays extra when the service is poor.

Please amend the paragraph of the specification at page 17 line 32 to page 18 line 5 as follows:

Other mechanisms are possible notably analyzing the protocols for start and stop such as HTTP get and reply pairs or TCP (Transmission Control Protocol) session lifetimes. These methods are not recommended since such sessions may easily overlap and also the end message may never come e.g when browsing you don't necessarily close the browser. In general, they may work well for some specific applications but especially for the access outside the walled garden where by definition nothing is known about the destination or service, these are not sufficiently reliable to be the basis for billing.

Please amend the paragraph of the specification at page 18 lines 5-8 as follows:

Charging systems may also be required to operate with optimisers in the network. Optimisers change the content that passes through them, for example, so that the content is suitable for the specific user device (Personal Digital Assistant, mobile phone, etc.), e.g. a WAP (Wireless Access Protocol) Gateway.

Please amend the paragraph of the specification at page 20 line 31 to page 21 line 2 as follows:

The ability of UMTS (Universal Mobile Telecommunications System) to support multiple bearers with different QoS (Quality of Service) can lead to new commercial opportunities such as a "go faster" option. With this, the user could be offered the option (at a suitable price) to perform a large download faster through establishing a secondary PDP context with a higher data rate. The GGSN is aware of which PDP context packets have flowed over or will be routed to and so can differentiate flow based on the PDP context.